

FIG. 1A

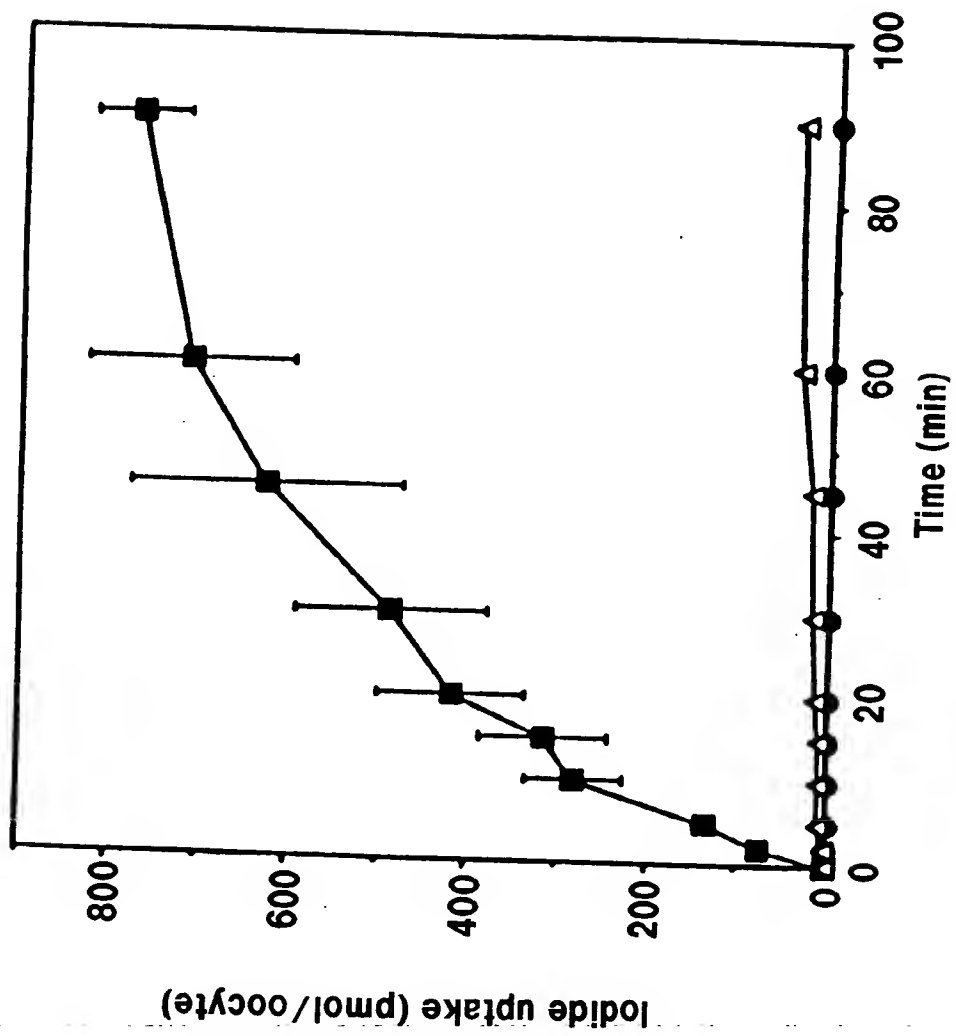


FIG. 1B

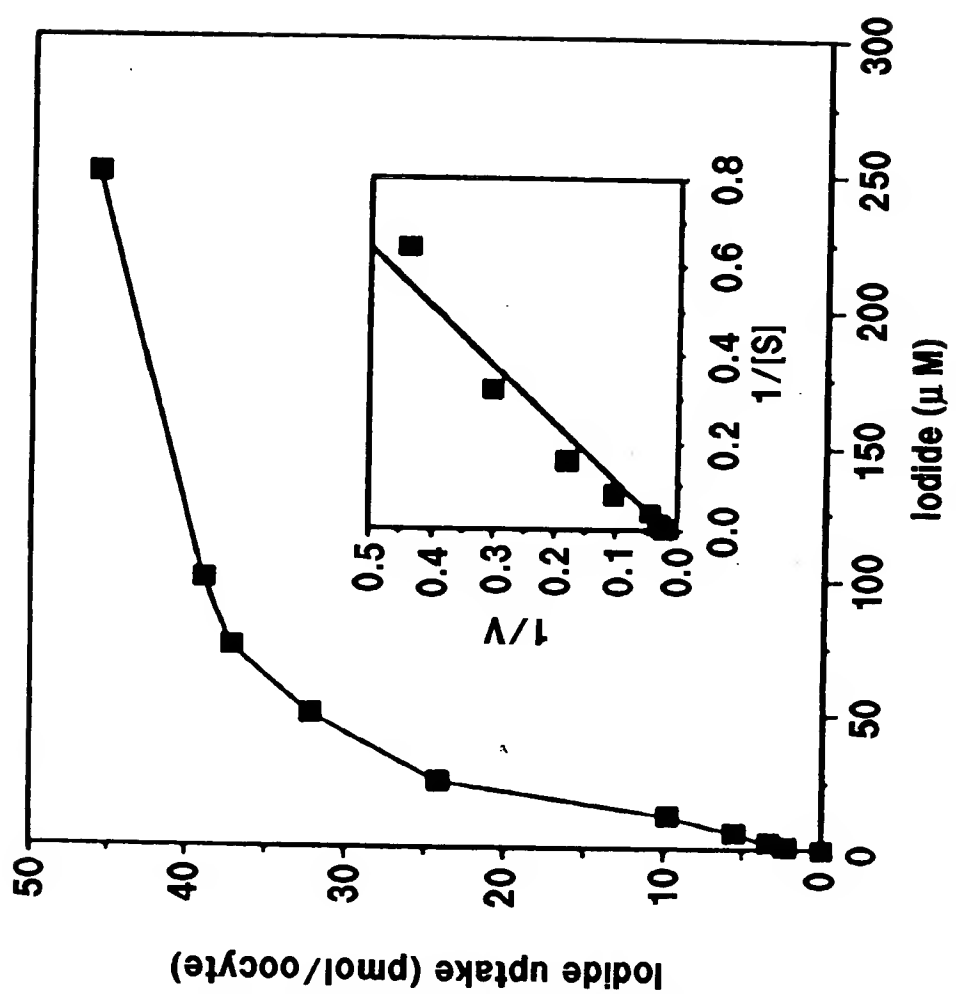


FIG. 1C

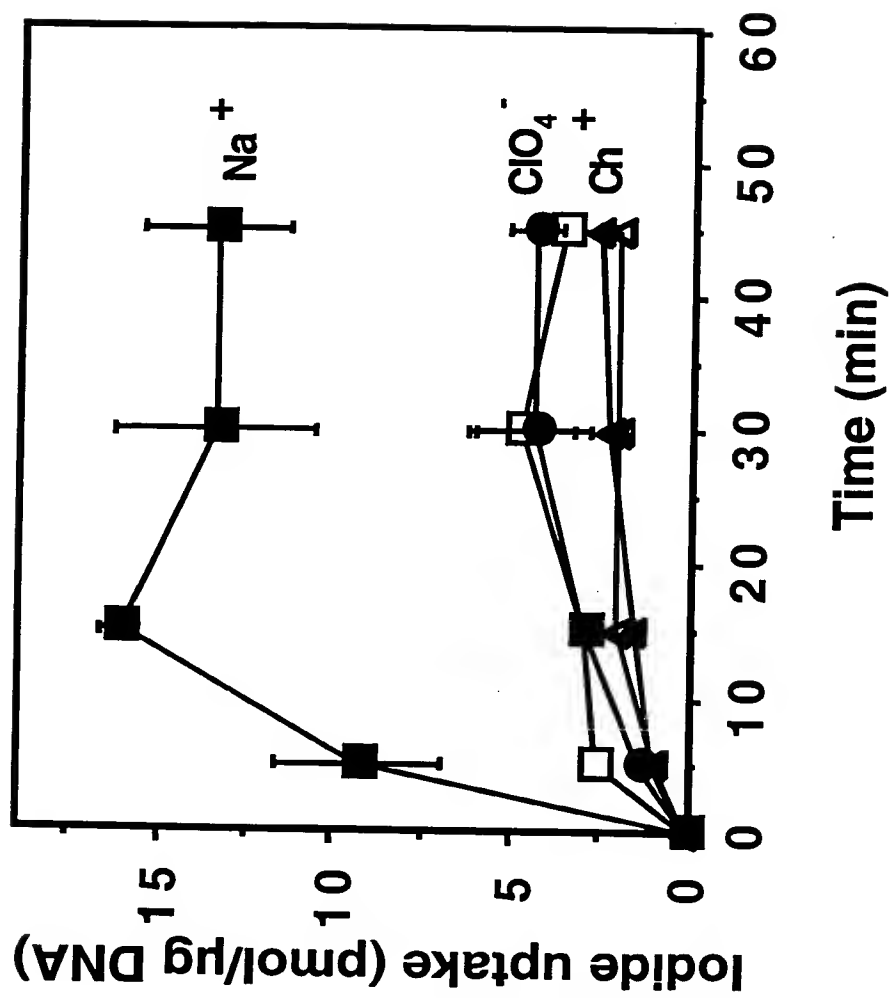


FIG. 1D

gaattccgggtcgaccacggtccggcggtgactcgcgctcgactctcccactgaccga 60
 gaggccccgagctcctccgcatcctctcctcaccgagtcacctgtctccATGGAGGGTGC 120
 GGAGGCCGGGGCCCGGGCCACCTTCGGCGCCTGGGACTACGGCGTGTTCGCCGACCATGCT 180
 E A G A R A T F G A W D Y G V F A T M L 24
 L V S T G I G L W V G L A R G G Q R S A 240
 CGACGACTTCTTACCGGGGGCCGGCAGTTCGGCAGCTTCCTTCGGGCTTCGGC 300
 D D F F T G G R Q L A A V P V G L S L A 64
 A S F M S A V O V L G V P A E A A R Y G 360
 GCTCAAGTTCCTTCGGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 84
 L K F L W H C A G Q L L N S L L T A F L 420
 CTTCTTGGCGATCTTCTACCGCCTGGGCCTTACCAGCAGCTACCACTAGAGCTGCG 104
 F L P T F Y R L G L T S T Y Q Y L E L R 480
 CTTAGCCGAGCGGTTCGGCTCTGCGGACCGTTCGCTTCCTTCGGCAGTTCGGC 124
 F S R A V R L C G T L Q Y L V A T H L Y 540
 TACGGCTTCGGTTCCTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 144
 T G I V I Y A P A L I I N Q V T G L D I 600
 CTTGGCAGTTCGGTTCCTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 164
 W A S L L S T G I I C T L Y T T V G G M 660
 GAAGGCCGTGGTTCGACAGTTCGGTTCGGTTCGGTTCGGTTCGGTTCGGTTCGGT 184
 K A V V W T D V F Q V V V M L V G F W V 720
 GATCCTGCCCCGAGGCTCATCTCTCGGGGGTCCCGGAACGTGCTCAGCCTCGCTCA 204
 I L A R G V I L L G G P R N V L S L A Q 780
 GAACCATTCGCGATCAACCTGATGGACTTGACCCTGATCCTCGGAGCCGCTACACCT 224
 N H S R I N L M D F D P D P R S R Y T F 840
 CTTGGCAGTTCGGTTCCTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 244
 W T F I V G G T C T L V W L S M Y C V N Q A 900
 CCAGGTACAGCGCTATGTGGCCTGCCACAGAGGAAAGGCCAACTGGCCCTGCTTGT 264
 Q V Q R Y V A C H T E G K A K L A L L V 960
 CAACCACTGGGCTTCCTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 284
 N Q L G L F L I V A S A A C C G I V M F 1020
 CGTCTACTACAAGGACTGTGACCCCTCTCACAGGCCGTATCTCAGCCCCGACCACTA 304
 V Y Y K D C D P L L T G R I S A P D Q Y 1080
 CATGCCGCTGCTGTGTGGACATTTTGGAGATCTGCCCGGGTCCCCGGGCTCTTCCT 324
 M P L L V L D I F E D L P G V P G L F L 1140
 GGGCTTCGGCTTCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGCAGTTCGGC 344
 A C A Y S G T L S T A S T S I N A M A A 1200
 TGTGACTGTGGAAGACCTCATCAAGCCGAGGATGCCTGGCCTGGCACCTCGGAAGTGGT 364
 V T V E D L I K P R M P G L A P R K L V 1260
 TTTTATCTCTAAAGGCTCTCATCTACGGCTCTGCCTGCCTCACTGTGGCTGCTCT 384
 F I S K G L S F I Y G S A C L T V A A L 1320
 GTCCTCACTGCTGGGAGGTGGTGTCTCCAGGTTCTCTCACTGTGATGGGTGTCATCAG 404
 S S L L G G G V L Q G S F T V M G V I S 1380
 TGGGCTCTACTAGGCCCTTCACGCTTGGGATGCTGCTCCAGCCTGCAACACGCCAGG 424
 G P L L G A F T L G M L L P A C N T P G 1440
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 V L S G L A A G L A V S L W V A V G A T 1500
 ACTGTATCCCCCTGGAGAGCAGACCATGGGGGTGCTGCCACCTCGGCTGCAGGCTGCAC 464
 L Y P P G E Q T M G V L P T S A A G C T 1560
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 N D S V L L G P P G A T N A S N G I P S 1620
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 S G M D T G R P A L A D T F Y A I S Y L 1680
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 Y Y G A L G T L T T M L C G A L I S Y L 1740
 TACTGGTCCACCAAGCGCAGCTCCCTGGGTCCCGGATTGCTGTGGTGGGACCTTGCTCG 544
 T G P T K R S S L G P G L L W W D L A R 1800
 ACAGACAGCGTCTGTGGCCCCAAAGGAAGACACTGCCACCTGGAGGAGAGCCTGGTGAA 564
 Q T A S V A P K E D T A T L E E S L V K 1860
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 G P E D I P A V T K K P P G L K P G A E 1920
 GACCCACCCCTGTATCTGGGGCAGATGTGGAGACCAACCTCtgagggcggggtccaag 604
 T H P L Y L G H D V E T N L 1980
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 ctacgcttctccagactgaggtttttctcattttatcaggcagagaaacggagggctgtcac 2220
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 gcaatggcctgtgacatta 2820

FIG. 2

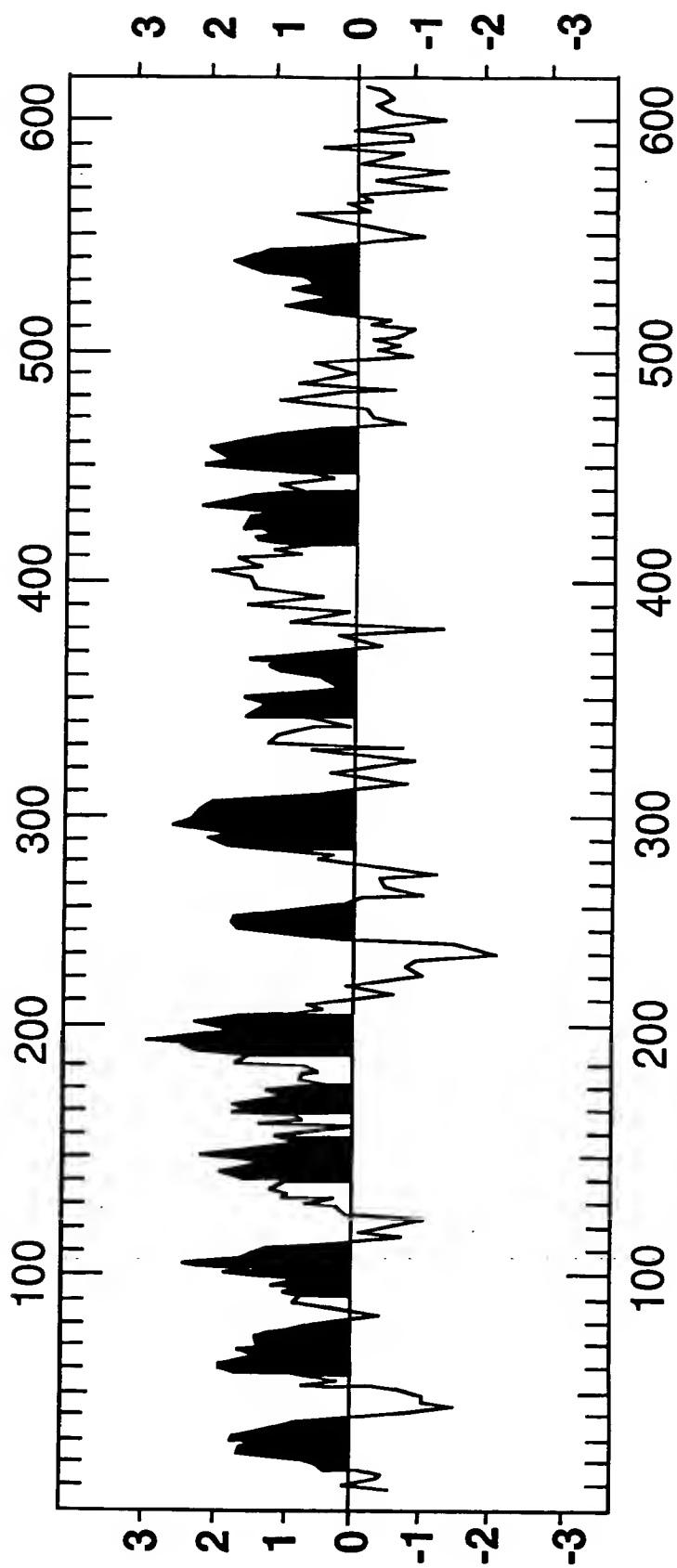
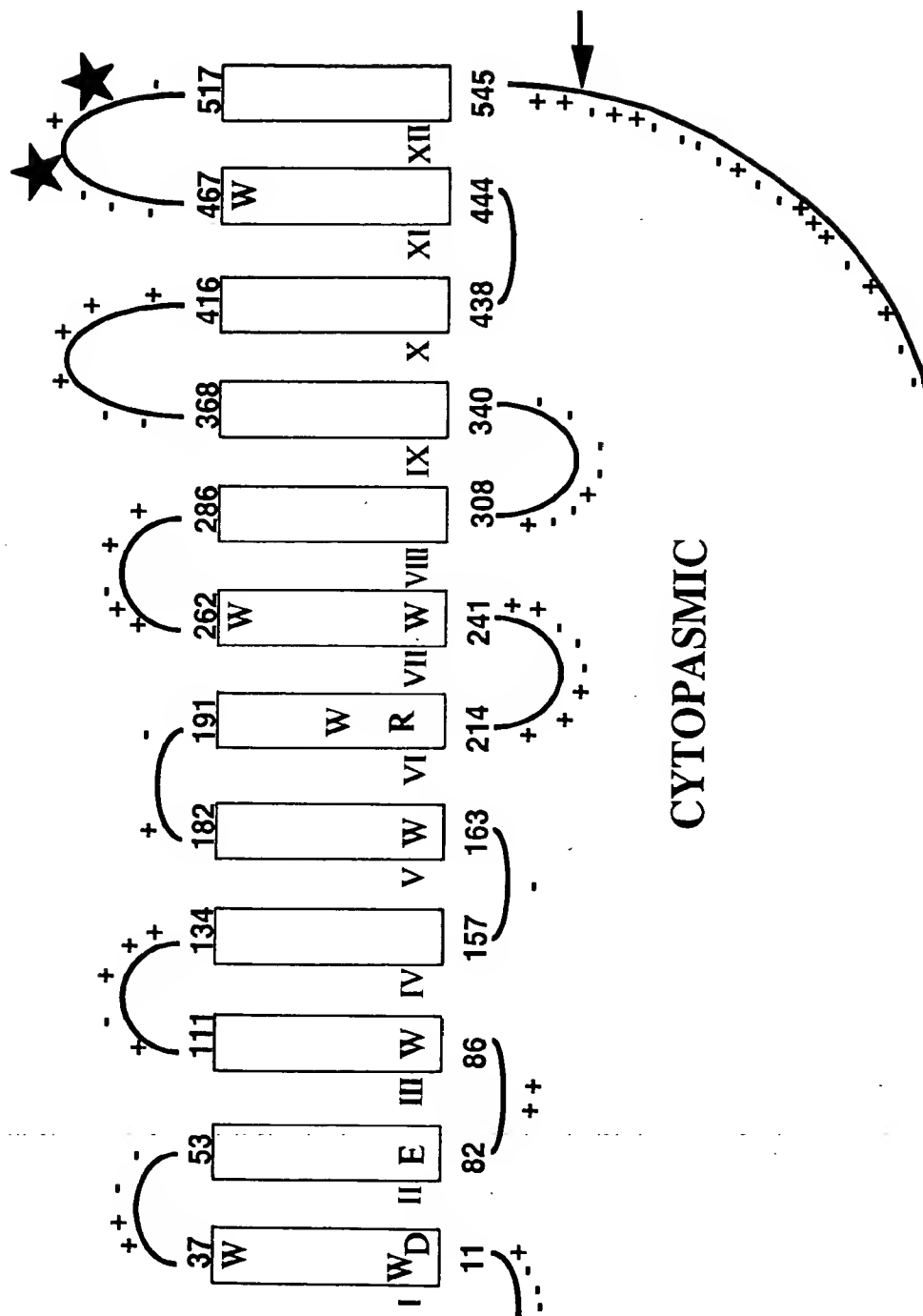


FIG. 3A



CYTOPASMIC

FIG. 3B

DENDROGRAM OF SODIUM DRIVEN TRANSPORTERS

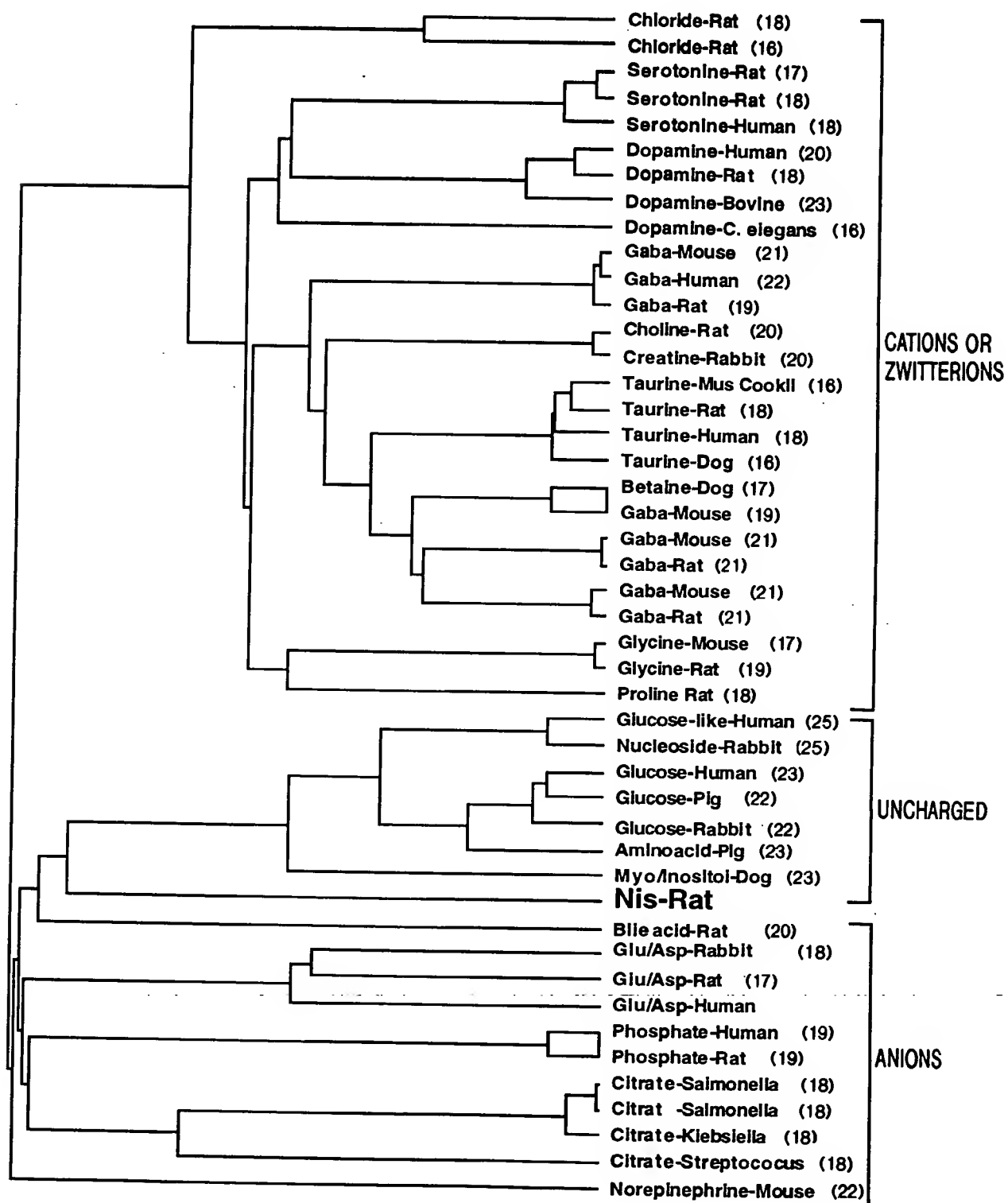


FIG. 4